

BRINE FLUIDS WITH IMPROVED CORROSION PROPERTIES

Abstract of the Disclosure

It has been discovered that ammonia and amines are useful to increase
5 the pH and corrosion resistance of high density brines, such as zinc bromide
brines, without significantly reducing their densities. The ammonia or amine
additive is preferably incorporated by contacting the brine with the additive
which is in the vapor phase. Optionally, a substituted carboxylic acid, such as
hydroxy carboxylic acid, may be used to increase the amount of ammonia or
10 amine that can be included in the high density brine without precipitation of
salts.